Cloud Data Center (CloudDC)

Billing

Issue 01

Date 2025-03-06

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Contents

1 Billing Overview

In this document, you will learn about how Cloud Data Center (CloudDC) is billed, how you can renew subscriptions and manage costs, and what happens if your account goes into arrears.

- **Billing Modes**

  The billing mode of CloudDC is yearly/monthly. You pay upfront for the amount of time you expect to use the CloudDC for. You will need to make sure you have a top-up account with a sufficient balance or have a valid payment method configured first. For details, see **Billing Modes**.

- **Billing Items**

  You will be billed for intelligent racks, iMetal servers, and CloudDCN. For details about the billing factors and formulas for each billed item, see **Billing Items**.

- **Renewing Subscriptions**

  If you want to continue using CloudDC after it expires, you need to renew the CloudDC subscription within the specified period. Otherwise, resources, such as intelligent racks, iMetal server management, and CloudDCN, will be released, and data may be lost. You can renew your subscriptions manually or automatically. For more details, see **Overview**.

2 Billing Modes

CloudDC is billed yearly/monthly and does not support pay-per-use mode.

Yearly/Monthly is a prepaid billing mode. You pay in advance for a subscription term, and in exchange, you get a discounted rate. For iMetal servers, the longer the subscription term, the bigger the discount. For example, you can buy 10 months and get 2 months for free. If you expect to use resources for a longer period, you can save money by selecting yearly billing.

This chapter describes the billing rules of yearly/monthly CloudDC resources.

NOTICE

CloudDC does not support configuration changes, which involves offline delivery and manual provisioning. To modify the configurations, you need to unsubscribe from CloudDC and then place an order again.

2.1 Overview

CloudDC provides the yearly/monthly billing mode. This section describes the billing rules for purchasing yearly/monthly resources on the CloudDC console. Yearly/Monthly billing is a good choice for:

- Long-term workloads with stable resource requirements, such as official websites, online malls, and blogs. The yearly/monthly billing provides high cost-effectiveness.
- Long-term projects, such as scientific research projects and large-scale events
- Workloads with high data security requirements. The yearly/monthly billing ensures that you can use resources continuously within the subscription period.

2.2 Yearly/Monthly Billing

If you want to ensure resource stability over a certain period of time, yearly/monthly billing is a good choice.

Billed Items

- In the going global scenario, you will be billed for iRack.
- In the DC cloud adoption scenario, you will be billed for iRack, iMetal, and CloudDCN.

For more information, see **Table 2-1**.

Table 2-1 Billed items

Billed Item	Description
iRack	You will be billed for the specifications (including the rack power) of the intelligent racks you select. The monthly package is supported. For details, apply for the OBT and see the intelligent rack pricing details on the console.
iMetal	In the cloud-based server management scenario, you can purchase iMetal with iRack. You are billed by the number of servers. The monthly package is supported. For details, apply for the OBT and see the iMetal pricing details on the console.
CloudDCN	The CloudDC zone can be connected to the VPCs in the public cloud zone. You are billed by the number of racks (general networks), number of network ports (intelligent computing networks), and traffic amount (in GB). The yearly/monthly package is supported. For details, apply for the OBT and see the CloudDCN pricing details on the console.

Billed Usage Period

Yearly/Monthly CloudDC resources are billed from 23:59:59 (UTC+08:00) on the calendar day after the resources are provisioned to 23:59:59 of the expiry day.

For example, if you purchased a one-month intelligent server on March 08, 2023, 15:50:04, the billed usage period is from March 08, 2023, 23:59:59 to April 08, 2023, 23:59:59.

◻ NOTE

Billing start time: The billing starts at 23:59:59 on the day when the delivery is complete and confirmed by the customers.

Unchangeable Configurations and the Processing Method
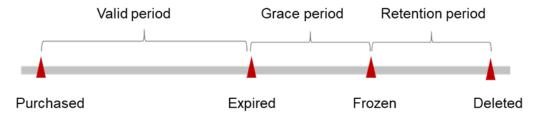
CloudDC does not support configuration changes, which involves offline delivery and manual provisioning. To modify the configurations, you need to unsubscribe from CloudDC and then place an order again.

Impact of Expiration

Figure 2-1 shows the statuses a yearly/monthly CloudDC resource can go throughout its lifecycle. After CloudDC is purchased and provisioned, it enters the subscription term and runs normally during this period. If CloudDC is not renewed

after it expires, before being deleted, it first enters a grace period and then a retention period.

Figure 2-1 Lifecycle of a yearly/monthly CloudDC resource

Expiration Reminder

The system will send you a reminder (by email, SMS, or in-app message) seven days before a yearly/monthly CloudDC resource expires to remind you to renew the subscription.

Impact of Expiration

- Grace period

  If your yearly/monthly CloudDC resource is not renewed after it expires, it changes to the **Expired** state and enters a grace period. During the grace period, you can access your CloudDC servers.

- Retention period

  If the yearly/monthly CloudDC resource is not renewed after the grace period ends, its status turns to **Frozen** and it enters a retention period. You cannot perform any operations on the CloudDC resource while it is in the retention period.

- Permanent release

  If the yearly/monthly CloudDC resource is not renewed by the time the retention period ends, the racks, iMetal servers, and CloudDCN network will be released. Huawei Cloud will remove the servers. Services will be interrupted and data cannot be restored.

  ☐ **NOTE**

  - Huawei Cloud defines different grace periods and retention periods for different levels of customers. To view your account level, log in to the management console, click the username in the upper right corner, click **Basic Information**, and view the level next to the account name.
  - For details about renewal, see **Overview**.

Information shown in the **Status** and **Billing Mode** columns varies depending on CloudDC resource period.

Table 2-2 Resource statuses in each period

Use Period	Status	Billing Mode
Validity period	Running	Yearly/Monthly *xx* days remaining until expiration
Retention period	Frozen	Yearly/Monthly Frozen. *xx* days remaining until deletion
Released	Deleted	Yearly/Monthly Deleted

◻ NOTE

- Huawei Cloud defines different grace periods and retention periods for different levels of customers. To view your account level, log in to the management console, click the username in the upper right corner, click **Basic Information**, and view the level next to the account name.
- **Table 2-2** describes only the resource statuses when CloudDC is working properly.
- For details about renewal, see **Overview**.

3 Billing Items

Billing

CloudDC is billed by iRack, iMetal, and CloudDCN. For details, see **Table 3-1**.

📖 **NOTE**

The billing items marked with asterisks (*) are mandatory.

Table 3-1 CloudDC billing items

Billed Item	Description	Formula
*iRack	Billed by rack power (kW)	**Unit price × Required duration (yearly/monthly)**
iMetal	Billed by the number of servers	**Unit price × Required duration (yearly/monthly)**
CloudDCN	Billed by network port.	**Unit price × Required duration (yearly/monthly)** Port specifications: CloudDCN.GeneralNetwork.25G and CloudDCN.IntelligentNetwork.200G

4 Renewing Subscriptions

4.1 Overview

When to Renew Subscriptions

If you want to continue using CloudDC after it expires, you need to renew the CloudDC subscription within the specified period. Otherwise, resources, such as intelligent racks, iMetal servers, and CloudDCN subnets, will be manually released according to contract requirements, and data will be lost and cannot be restored.

If you renew CloudDC resources before they expire, resources will be retained and you can continue using CloudDC. For details about statuses of CloudDC resources after they have expired and the associated impacts, see **Impact of Expiration**.
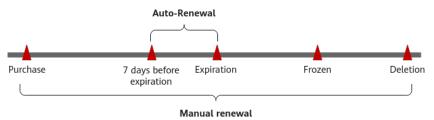
How to Renew Subscriptions

You can renew yearly/monthly CloudDC resources manually or automatically based on **Table 4-1**.

Table 4-1 Renewing yearly/monthly CloudDC resources

Method	Description
Manually Renewing CloudDC Resources	You can renew yearly/monthly CloudDC resources on the console any time before they are automatically deleted to prolong the validity period of intelligent racks, iMetal server management, or CloudDCN subnets.
Auto-renewing CloudDC Resources	You can enable auto-renewal to automatically renew CloudDC resources before they expire. This prevents resources from being deleted in case you forget to renew a subscription.

You can select a method to renew yearly/monthly CloudDC resources based on the phase the CloudDC resources are currently in. For details, see **Figure 4-1**.

Figure 4-1 Resource lifecycle

- CloudDC resources are in the **Running** state after they are provisioned.
- When the subscription expires, the status will change from **Running** to **Expired**.
- If expired CloudDC resources are not renewed, they enter a grace period. If they are not renewed by the time the grace period expires, the CloudDC resources will be frozen and enter a retention period.
- If you do not renew the subscription before the retention period expires, your resources will be deleted based on the contract requirements.

📖 **NOTE**

For details about the grace period and retention period, see **What Is a Grace Period of Huawei Cloud? How Long Is It?**

You can enable auto-renewal any time before CloudDC resources expire. By default, the system will make the first attempt to charge your account for the renewal at 03:00, seven days before the expiry date. If this attempt fails, it will make another attempt at 03:00 every day until the subscription is renewed or expires. You can change the auto-payment date for renewal as required.

4.2 Manually Renewing CloudDC Resources

You can renew yearly/monthly CloudDC resources on the console any time before they are deleted to prolong the validity period of intelligent racks, iMetal servers, or CloudDCN subnets in CloudDC.
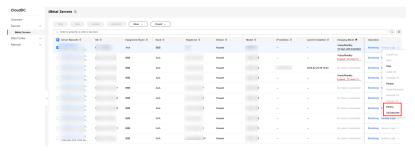
Renewing CloudDC Resources on the CloudDC Console

Step 1 Log in to the management console.

Step 2 In the navigation tree on the left, click ☰ and choose **Compute** > **Cloud Data Center**.

Step 3 On the CloudDC console, select the yearly/monthly CloudDC resource to be renewed.

Step 4 In the **Operation** column, choose **More** > **Renew**.

📖 **NOTE**

> The system supports batch renewal operations, which allows for batch renewal of multiple intelligent racks, CloudDCN subnets, and multiple iMetal servers, which are billed yearly/monthly. The procedure is as follows:
>
> 1. Select the yearly/monthly intelligent racks to be renewed.
> 2. On the top of the intelligent rack list, choose **Renew**.

Figure 4-2 Renewal operations

Step 5 On the **Renew** page, select a renewal duration for your intelligent racks, determine whether to select **Auto-Renew** and **Renewal Date**. For details, see . Confirm the price and click **Pay**.

Step 6 Select a payment method and make your payment. Once the order is paid, the renewal is complete.
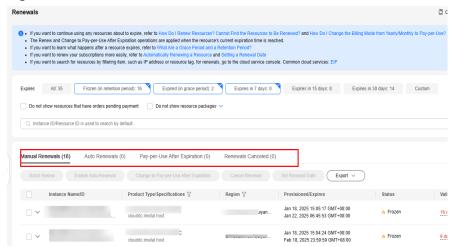
----End

Renewing a Subscription in Billing Center

Step 1 Log in to the management console.

Step 2 Hover over **Billing** in the upper part of the console and choose **Renewal** from the drop-down list.

The **Renewals** page is displayed.

Step 3 Select the search criteria.

On the **Manual Renewals**, **Auto Renewals**, **Pay-per-Use After Expiration**, and **Renewals Canceled** tabs, you can view the resources to be renewed.
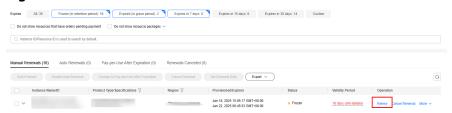
Figure 4-3 Renewals

You can move all resources that need to be manually renewed to the **Manual Renewals** tab. For details, see **Enabling Manual Renewal**.

Step 4 Manually renew resources.

- Individual renewal: Click **Renew** in the **Operation** column for the desired resource.

Figure 4-4 Individual renewal

- Batch renewal: Check the boxes for the desired resources and click **Batch Renew** in the upper left corner.

Figure 4-5 Batch renewal

Step 5 Select a renewal duration and optionally select **Renew on the standard renewal date**. For details, see **Renewal Date** Confirm the price and click **Pay**.

Step 6 Select a payment method and make your payment. Once the order is paid, the renewal is complete.

----End

Setting the Same Renewal Day for Yearly/Monthly Resources

If your intelligent racks, CloudDCN, or iMetal servers have different expiry dates, you can set the same renewal day, for example, the first day of each month, to make it easier to manage renewals.

In **Figure 4-6**, a user sets the same renewal day for two resources that will expire at different dates.

Figure 4-6 Setting the same renewal day for resources with different expiry dates

For details, see **Renewal Date**.

4.3 Auto-renewing CloudDC Resources

Auto-renewal can prevent CloudDC resources from being deleted if you forget to manually renew them. The auto-renewal rules are as follows:

- The first auto-renewal date is based on when the CloudDC resources expire and the billing cycle.
- The auto-renewal period of CloudDC resources depends on the subscription term.
- Auto-renewal can be enabled only during CloudDC purchase.
- After auto-renewal is enabled, you can still renew CloudDC resources manually if you want to. After a manual renewal is complete, auto-renewal is still valid, and the renewal expenditure will be deducted from your account seven days before the new expiry date.
- By default, the renewal expenditure is deducted from your account seven days before the new expiry date. You can change this auto-renewal payment date as required.

For more information about auto-renewal rules, see **Auto-Renewal Rules**.

Enabling Auto-Renewal During Purchase

You can enable auto-renewal on the CloudDC purchase page.

If you enable auto-renewal when purchasing CloudDC, the auto-renewal periods are as follows:

- Your subscription will be renewed each month for monthly billing.
- Your subscription will be renewed each year for yearly billing.

Figure 4-7 Auto-renew

5 Billing FAQs

5.1 Where Can I Query the CloudDC Price?

The CloudDC price varies depending on regions and specifications.

If you want to query the price of CloudDC, apply for the required permissions to use CloudDC first. You can query the price on the order placement page of the corresponding service console.

5.2 What Are Pre-payment and Post-payment?

Pre-payment refers to the yearly/monthly billing mode. The system calculates the price based on the intelligent racks, CloudDCN subnets, and iMetal server type and quantity you select and deducts the sum from your account.

Post-payment refers to the pay-per-use billing mode, which means that you pay for what you use. CloudDC is billed yearly/monthly and does not support pay-per-use mode.

5.3 How Long Will CloudDC Resources Be Released After They Expiry?

If you do not renew the yearly/monthly CloudDC intelligent racks, iMetal servers, and cloudDCN subnets after they expire, they will enter a retention period.

For details, see **What Is a Grace Period of Huawei Cloud? How Long Is It?**